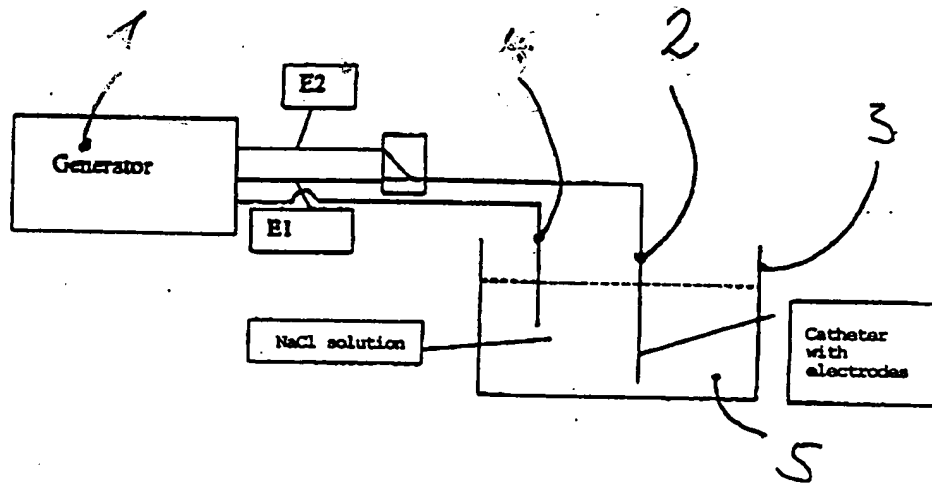
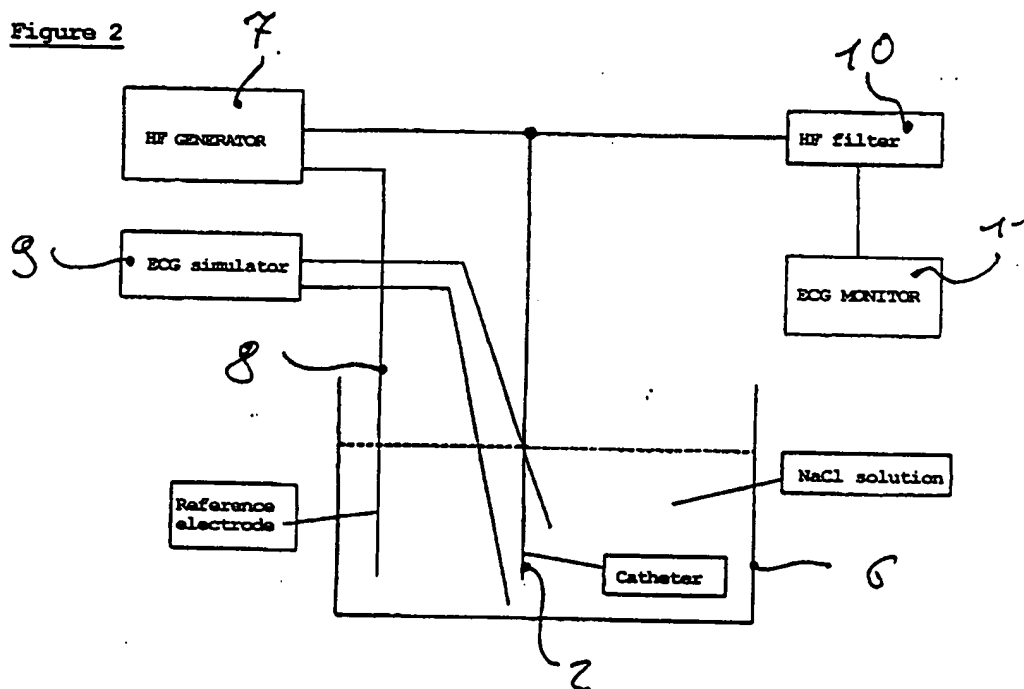


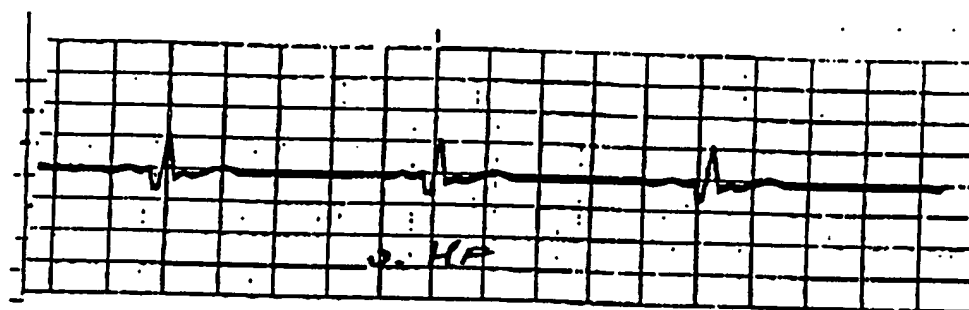
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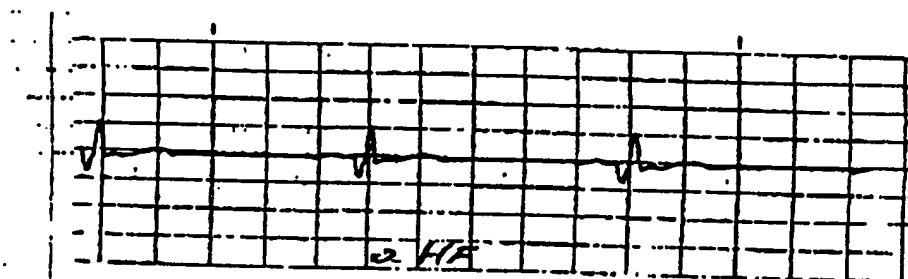
Figure 1Figure 2

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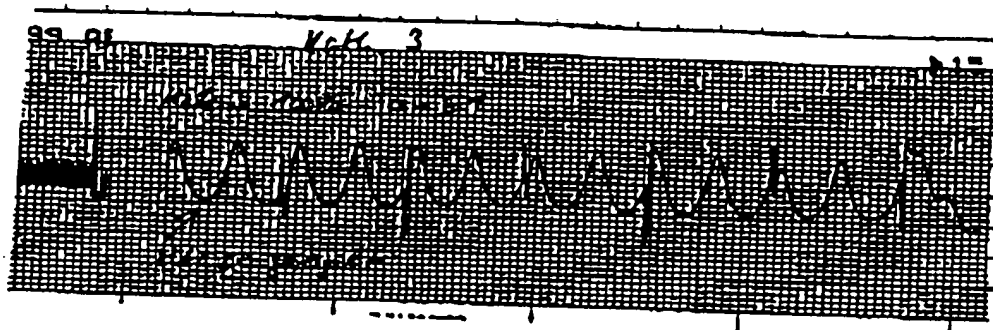
Figure 3

Mapping signal before electrode treatment without
applied high-frequency energy

Figure 4

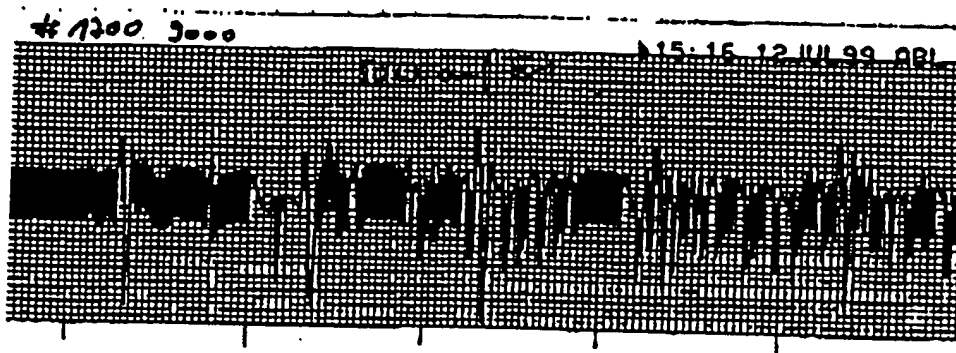
Mapping signal after electrode treatment without
applied high-frequency energy

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Figure 5

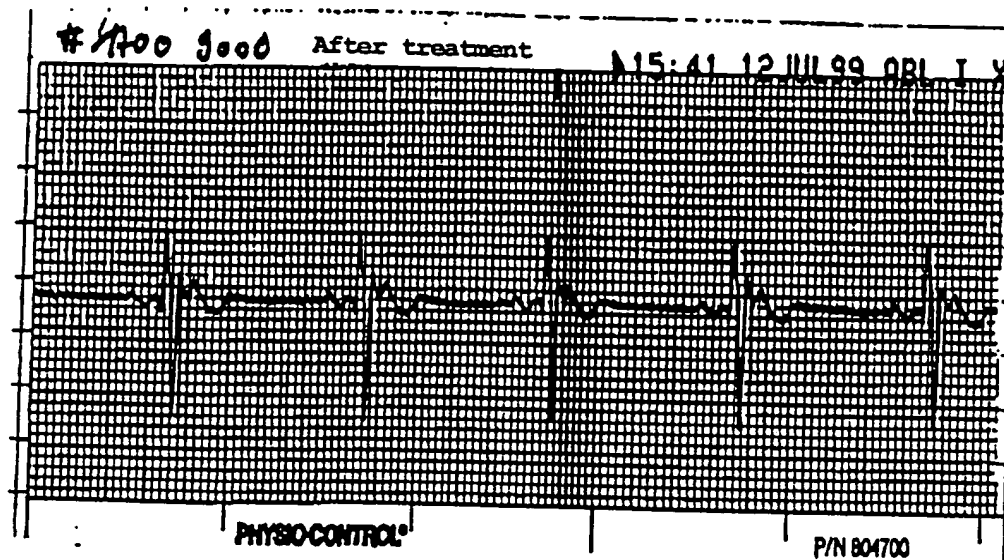
Interference in the simulated ECG signal in the case of fast, non-pulsed power regulation of the output high-frequency energy for a non-treated ablation catheter

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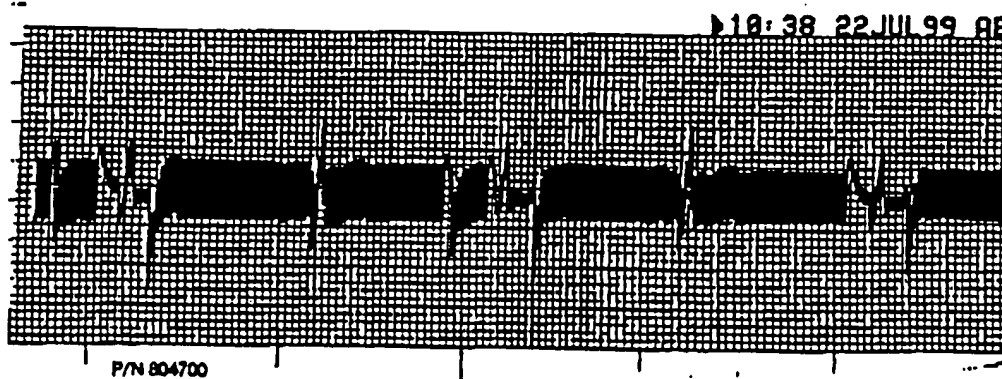
Figure 6

Interference in the simulated ECG signal in the case of fast, pulsed power regulation of the output high-frequency energy for a non-treated, quadrupole ablation catheter with cylindrical platinum ablation electrodes each 4 mm long

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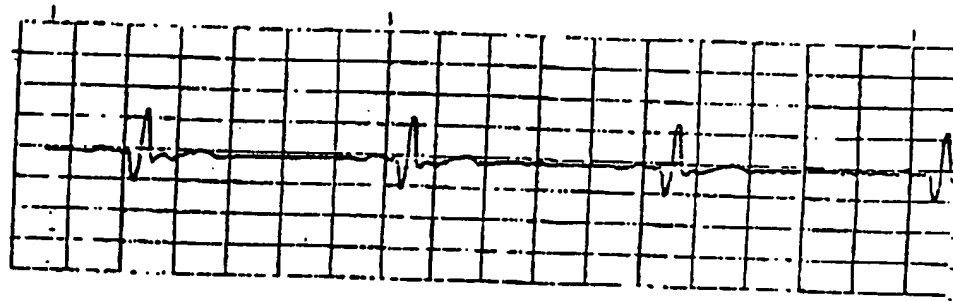
Figure 7

Simulated ECG signal in the case of fast, non-pulsed power regulation of the output high-frequency energy for the quadrupole ablation catheter with cylindrical platinum ablation electrodes each 4 mm long, from Figure 6 after its treatment

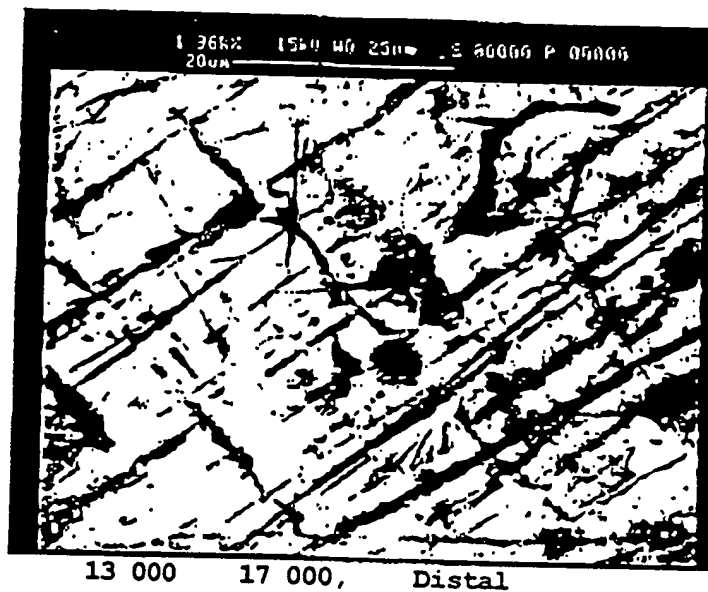
Figure 8

Interference in the simulated ECG signal in the case of fast, pulsed power regulation of the output high-frequency energy for a non-treated ablation catheter with a cylindrical platinum ablation electrode 4 mm long, and three further mapping electrodes

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Figure 9

Simulated ECG signal in the case of fast, pulsed power regulation of the output high-frequency energy for the non-treated ablation catheter from Figure 8 with a cylindrical platinum ablation electrode 4 mm long, and three further mapping electrodes after its treatment

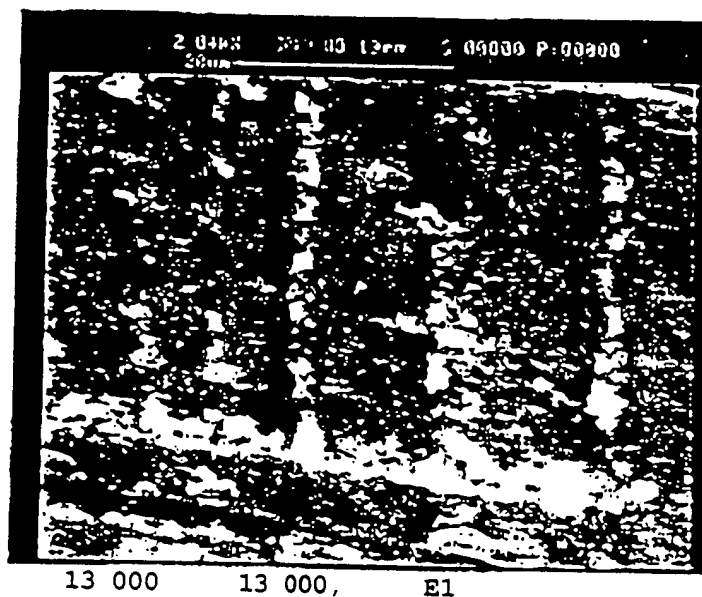
Figure 10

Electron microscope photograph of the platinum surface of the ablation electrode of a non-treated ablation catheter

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Figure 11

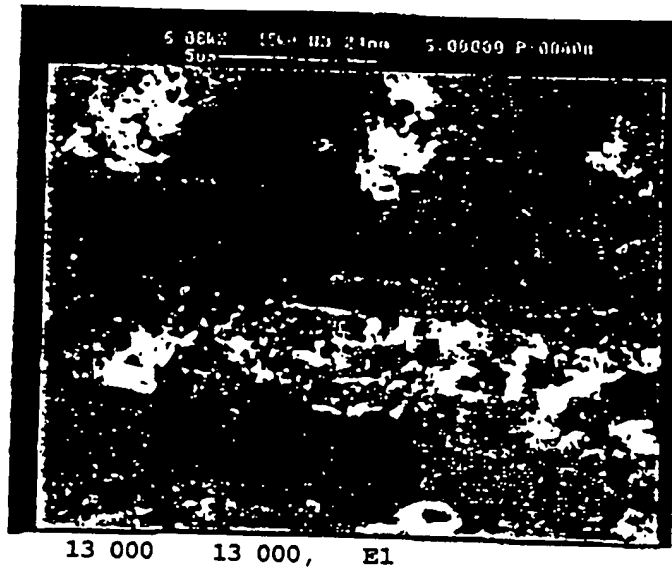
Electron microscope photograph of the platinum surface of the ablation electrode of the non-treated ablation catheter from Figure 10

Figure 12

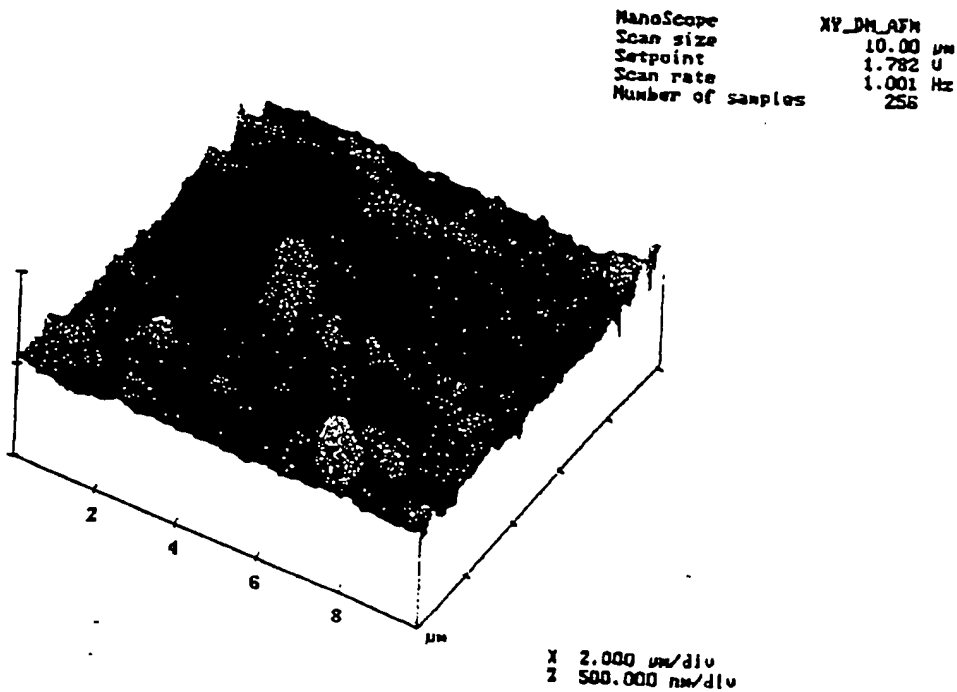
Electron microscope photograph of the platinum surface of the ablation electrode of the ablation catheter from Figure 10

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Figure 13

Electron microscope photograph of the platinum surface of the ablation electrode of the ablation catheter from Figure 10

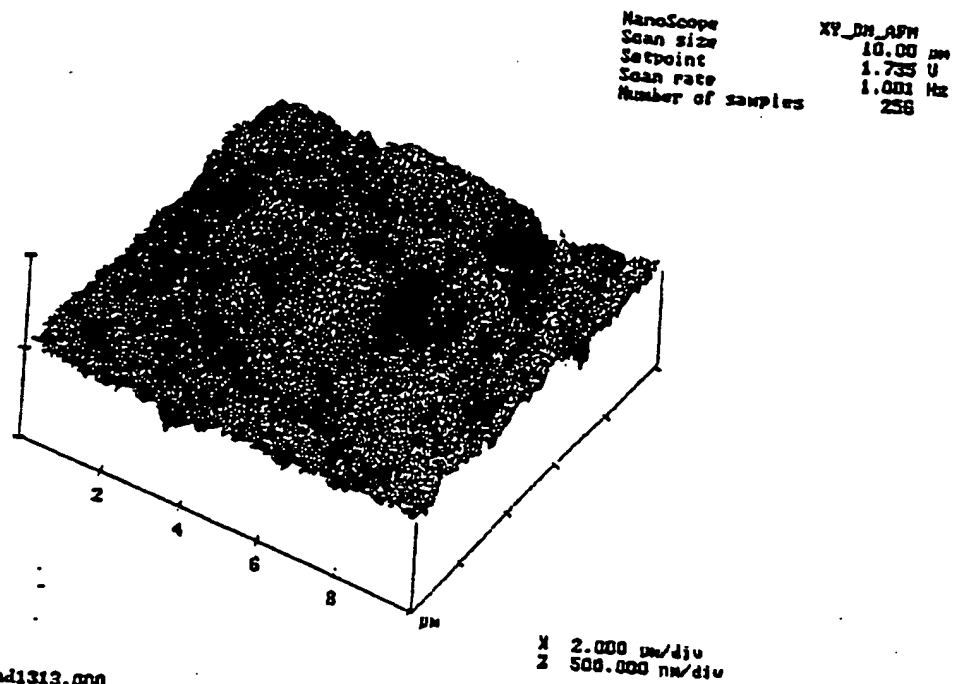
Figure 14

Force microscopic plot of a 10 times 10 μm surface region of an untreated platinum ablation electrode

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Figure 15

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